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Term	Documents
MOLYNEAUX.USPT.	153
MOLYNEAUXES	0
MEHDIZADEH.USPT.	151
MEHDIZADEHS	0
(1 AND ((MOLYNEAUX.INV.) OR (MEHDIZADEH.INV.))).USPT.	7

Database:

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Refine Search:
11 and (Molyneaux.inv. or
Mehdizadeh.inv.)
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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	11 and (Molyneaux.inv. or Mehdizadeh.inv.)	7	L4
USPT	11 and (Molyneaux or Mehdizadeh)	31	L3
USPT	11 and (switch\$4)	14	L2
USPT	(5394087 or 4918388)	33	L1

WEST[Generate Collection](#)**Search Results - Record(s) 1 through 14 of 14 returned.**☐ 1. Document ID: US 6137291 A

L2: Entry 1 of 14

File: USPT

Oct 24, 2000

US-PAT-NO: 6137291

DOCUMENT-IDENTIFIER: US 6137291 A

TITLE: Telescoping coil array for magnetic resonance imaging of extremities

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6023166 A

L2: Entry 2 of 14

File: USPT

Feb 8, 2000

US-PAT-NO: 6023166

DOCUMENT-IDENTIFIER: US 6023166 A

TITLE: MRI antenna

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5898306 A

L2: Entry 3 of 14

File: USPT

Apr 27, 1999

US-PAT-NO: 5898306

DOCUMENT-IDENTIFIER: US 5898306 A

TITLE: Single circuit ladder resonator quadrature surface RF coil

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5864234 A

L2: Entry 4 of 14

File: USPT

Jan 26, 1999

US-PAT-NO: 5864234
DOCUMENT-IDENTIFIER: US 5864234 A
TITLE: Image synthesizing method for forming a composite image
from basic images

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Drawl Desc	Image
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☐ 5. Document ID: US 5610520 A

L2: Entry 5 of 14

File: USPT

Mar 11, 1997

US-PAT-NO: 5610520
DOCUMENT-IDENTIFIER: US 5610520 A
TITLE: Automatic orthogonality adjustment device for a
quadrature surface coil for magnetic resonance imaging or
spectroscopy

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Drawl Desc	Image
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☐ 6. Document ID: US 5594339 A

L2: Entry 6 of 14

File: USPT

Jan 14, 1997

US-PAT-NO: 5594339
DOCUMENT-IDENTIFIER: US 5594339 A
TITLE: Flexible nuclear magnetic resonance receiver coils and
systems

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Drawl Desc	Image
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☐ 7. Document ID: US 5592088 A

L2: Entry 7 of 14

File: USPT

Jan 7, 1997

US-PAT-NO: 5592088
DOCUMENT-IDENTIFIER: US 5592088 A
TITLE: Multiple-coil adopting a quadrature detection method
applied thereto and a signal processing circuit employing the
same in an MRI apparatus in a vertical magnetic system

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Drawl Desc	Image
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☐ 8. Document ID: US 5492122 A

L2: Entry 8 of 14

File: USPT

Feb 20, 1996

US-PAT-NO: 5492122

DOCUMENT-IDENTIFIER: US 5492122 A

TITLE: Magnetic resonance guided hyperthermia

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5491415 A

L2: Entry 9 of 14

File: USPT

Feb 13, 1996

US-PAT-NO: 5491415

DOCUMENT-IDENTIFIER: US 5491415 A

TITLE: Magnetic resonance scanner with improved packaging for circuitry within the magnetic field

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5483159 A

L2: Entry 10 of 14

File: USPT

Jan 9, 1996

US-PAT-NO: 5483159

DOCUMENT-IDENTIFIER: US 5483159 A

TITLE: Quadrature coil system for use in a magnetic resonance apparatus

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 5296813 A

L2: Entry 11 of 14

File: USPT

Mar 22, 1994

US-PAT-NO: 5296813

DOCUMENT-IDENTIFIER: US 5296813 A

TITLE: Magnetic resonance scanner with improved packaging for circuitry within the magnetic field

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 5221902 A

L2: Entry 12 of 14

File: USPT

Jun 22, 1993

US-PAT-NO: 5221902
DOCUMENT-IDENTIFIER: US 5221902 A
TITLE: NMR neck coil with passive decoupling

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 5075624 A

L2: Entry 13 of 14

File: USPT

Dec 24, 1991

US-PAT-NO: 5075624
DOCUMENT-IDENTIFIER: US 5075624 A
TITLE: Radio frequency quadrature coil construction for
magnetic resonance imaging (MRI) apparatus

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 4918388 A

L2: Entry 14 of 14

File: USPT

Apr 17, 1990

US-PAT-NO: 4918388
DOCUMENT-IDENTIFIER: US 4918388 A
TITLE: Quadrature surface coils for magnetic resonance imaging

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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Term	Documents
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SWITCHADS.USPT.	2
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WEST**End of Result Set**☐ **Generate Collection**

L2: Entry 14 of 14

File: USPT

Apr 17, 1990

DOCUMENT-IDENTIFIER: US 4918388 A

TITLE: Quadrature surface coils for magnetic resonance imaging

DEPR:

With reference to FIG. 5, the phase shift and combining circuits 50, 52 receive signals from the matching and tuning circuits 80 associated with coil assemblies 30 and 32. Capacitors 90 and 92 and inductor 94 phase shift the received signal from circuit 40 by 90.degree. at the operating frequency. Analogously, capacitors 96 and 98 and inductor 100 cause a 90.degree. phase shift in the signal from circuit 42 at the operating frequency. Inductors 94 and 102 and capacitor 92 can combine the two signals into a first 50 ohm port 104. Analogously, inductors 100 and 102 and capacitor 96 can combine the signals into a second 50 ohm port 106. First and second switching or jumper lead assemblies 108 and 110 are selectively set to select whether the signal for circuit 40 or from circuit 42 is shifted by 90.degree.. This allows a choice of outputs depending on the direction of the main static magnetic field. Moreover, this arrangement enables two separate coil outputs to be provided for purposes of set up and measurement of isolation between the two coils and during the tuning of each coil.

CLPV:

a switching means for selectively switching one of the 90.degree. phase shift circuits between its associated coil and the combining means for connecting the other coil directly with the combining means.

WEST[Generate Collection](#)**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 5594339 A

L4: Entry 1 of 7

File: USPT

Jan 14, 1997

US-PAT-NO: 5594339

DOCUMENT-IDENTIFIER: US 5594339 A

TITLE: Flexible nuclear magnetic resonance receiver coils and systems

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Henderson; Robert G.	Wickliffe	OH		
Kristoff; James W.	Lyndhurst	OH		
Molyneaux; David A.	Mentor	OH		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 5578925 A

L4: Entry 2 of 7

File: USPT

Nov 26, 1996

US-PAT-NO: 5578925

DOCUMENT-IDENTIFIER: US 5578925 A

TITLE: Vertical field quadrature phased array coil system

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Molyneaux; David A.	Mentor	OH		
Braum; William O.	Solon	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5510711 A

L4: Entry 3 of 7

File: USPT

Apr 23, 1996

US-PAT-NO: 5510711

DOCUMENT-IDENTIFIER: US 5510711 A

TITLE: Digital combination and correction of quadrature magnetic resonance receiver coils

DATE-ISSUED: April 23, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Molyneaux; David A.	Willowick	OH		
Liu; Haiying	Euclid	OH		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5394087 A

L4: Entry 4 of 7

File: USPT

Feb 28, 1995

US-PAT-NO: 5394087DOCUMENT-IDENTIFIER: US 5394087 A

TITLE: Multiple quadrature surface coil system for simultaneous imaging in magnetic resonance systems

DATE-ISSUED: February 28, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Molyneaux; David A.	Willowick	OH		

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5144240 A

L4: Entry 5 of 7

File: USPT

Sep 1, 1992

US-PAT-NO: 5144240

DOCUMENT-IDENTIFIER: US 5144240 A

TITLE: NMR spectroscopy and imaging coil

DATE-ISSUED: September 1, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehdizadeh; Mehrdad	Wilmington	DE		
Lampman; David A.	Lakewood	OH		
Orlando; Paul T.	Mentor	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5045792 A

L4: Entry 6 of 7

File: USPT

Sep 3, 1991

US-PAT-NO: 5045792

DOCUMENT-IDENTIFIER: US 5045792 A

TITLE: Split and non-circular magnetic resonance probes with optimum field uniformity

DATE-ISSUED: September 3, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehdizadeh; Mahrdad	University Hts.	OH		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 4918388 A

L4: Entry 7 of 7

File: USPT

Apr 17, 1990

US-PAT-NO: 4918388

DOCUMENT-IDENTIFIER: US 4918388 A

TITLE: Quadrature surface coils for magnetic resonance imaging

DATE-ISSUED: April 17, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehdizadeh; Mehrdad	University Hts.	OH		
Molyneaux; David A.	Willoughby Hills	OH		
Holland; G. Neil	Chagrin Falls	OH		

US-CL-CURRENT: 324/322; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KVMC	Draw Desc	Image
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Term	Documents
MOLYNEAUX.USPT.	153
MOLYNEAUXES	0
MEHDIZADEH.USPT.	151
MEHDIZADEHS	0
(1 AND ((MOLYNEAUX.INV.) OR (MEHDIZADEH.INV.))).USPT.	7

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